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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/725,459	12/03/2003	Masaki Shiraishi	0229-0785P	4041
2292	7590 11/25/2005		EXAMINER	
BIRCH ST	EWART KOLASCH	PRETLOW, DEMETRIUS R		
PO BOX 747 FALLS CHURCH, VA 22040-0747			ART UNIT	PAPER NUMBER
PALES CIT	ORCH, VA 22040 074	,	2863	
			DATE MAILED: 11/25/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

			11.				
	Application No.	Applicant(s)					
	10/725,459	SHIRAISHI, MASAKI					
Office Action Summary	Examiner	Art Unit					
	Demetrius R. Pretlow	2863					
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the	correspondence address -	•				
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING ID.  - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period.  - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDON	ON. timely filed om the mailing date of this communica NED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 17 A	August 2005.						
2a) This action is <b>FINAL</b> . 2b) Thi	This action is FINAL. 2b) This action is non-final.						
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11,	453 O.G. 213.					
Disposition of Claims							
4)⊠ Claim(s) <u>1-12,14 and 15</u> is/are pending in the	application.		٠				
4a) Of the above claim(s) is/are withdra			•				
5)⊠ Claim(s) <u>1-12,14 and 15</u> is/are allowed.							
6) Claim(s) is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/	or election requirement.						
Application Papers							
9) The specification is objected to by the Examin	er.						
10) The drawing(s) filed on is/are: a) ac		Examiner.					
Applicant may not request that any objection to the	•						
Replacement drawing sheet(s) including the correct	ction is required if the drawing(s) is o	bjected to. See 37 CFR 1.12	:1(d).				
11)☐ The oath or declaration is objected to by the E	xaminer. Note the attached Offic	e Action or form PTO-152	<u>}.</u>				
Priority under 35 U.S.C. § 119							
12)⊠ Acknowledgment is made of a claim for foreig a)⊠ All b)□ Some * c)□ None of:	n priority under 35 U.S.C. § 119(	a)-(d) or (f).					
<ol> <li>1. ☐ Certified copies of the priority document</li> </ol>	its have been received.						
2. Certified copies of the priority documen							
3. Copies of the certified copies of the price		ved in this National Stage					
application from the International Bures		und					
* See the attached detailed Office action for a lis	t of the certified copies not recer	ved.					
Attachment(s)	_						
Notice of References Cited (PTO-892)	4) 🔲 Interview Summa Paper No(s)/Mail						
<ol> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date</li> </ol>		Patent Application (PTO-152)					

## DETAILED ACTION

## **Drawings**

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the memory and the processor must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

This application is in condition for allowance except for the following formal matters above:

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Prosecution on the merits is closed in accordance with the practice under Exparte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

## Allowable Subject Matter

Claims 1-12, 14 and 15 are allowed.

The best prior art of record, particularly Miyasaki (US 6651518) teach a device for measuring action force of a wheel includes a vehicle axle upon which the wheel is mounted, the vehicle axle having a stress neutral line, and a stress detecting sensor having at least one strain gauge. However Miyasaki does not teach the following clim limitations.

The primary reason for the allowance of claims 1-8 is the inclusion of the method steps of making a formula of the physical parameter for the force, using the obtained data on the relationship and computing the formula using the measured physical parameter to calculate the force. It is these steps found in each of the claims, as it is claimed in the combination, that has not been found, taught or suggested by the prior art of record which makes these claims allowable over the prior art.

The primary reason for the allowance of claims 9-12,14,15 is the inclusion of the limitations of an at least one sensor for measuring a physical parameter of the vehicle, wheel during rolling, said at least one sensor being attached to the radius part; a

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memory in which a formula of the physical parameter for the force is stored, the formula is made in advance using data on a relationship between the force exerted on the vehicle wheel and the physical parameter of the vehicle wheel at least one predetermined measuring position; a device for locating said at least one sensor in order to measure the physical parameter when the sensor is at the predetermined measuring position; and. It is these limitations found in each of the claims, as they are claimed in the combination, that has not been found, taught or suggested by the prior art of record which makes these claims allowable over the prior art.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Demetrius R. Pretlow whose telephone number is (571) 272-2278. The examiner can normally be reached on Mon.-Fri. 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Barlow can be reached on (571) 272-2269. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Demetrius R. Pretlow

Denuta Pretto 11/22/08

Patent Examiner

MICHAEL NGHIEM NICHAEL NGHIER

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